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PATENT
670001-20046 MAR 25 2003
TECH CENTER 1600/2900

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants(s) : ANDERSEN et al.

U.S. Serial No.: 09/872,505

Filing Date : June 1, 2001

For : NUCLEIC ACID FRAGMENTS DERIVED FROM M.
TUBERCULOSIS

Art Unit : 1645

745 Fifth Avenue,
New York, NY 10151

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Date of Deposit: March 18, 2003

I hereby certify that this paper or fee is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" Service under 37 CFR 1.10 on the date indicated above and is addressed to the Commissioner of Patents, Washington, DC 20231.

Charles Jackson
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Charles Jackson
(Signature of person mailing paper or fee)

SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents
Washington, D.C. 20231

Dear Sir:

Further to the Information Disclosure Statement filed on February 3, 2003, the Commissioner's attention is respectfully directed to the enclosed documents which are set forth on the accompanying form PTO-1449. As this Information Disclosure Statement is being filed before the mailing of the first Office Action on the merits, it is believed that no fee is required for

entry of this paper. However, the Commissioner is hereby authorized to charge any such fee, or credit any overpayment to Deposit Account 50-0230.

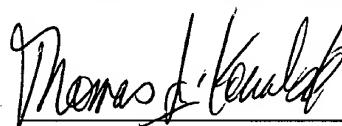
The filing of this Information Disclosure Statement is not an admission that the documents identified herein constitute prior art to the present application.

Applicants respectfully request that the Examiner considers and make of record the documents cited herewith and that a copy of Form PTO-1449 be initialed by the Examiner and returned to the undersigned.

Respectfully submitted,

FROMMER LAWRENCE & HAUG LLP

By:



Thomas J. Kowalski
Reg. No. 32,147
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Fax 212-588-0500

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Sheet 1 of 2

MAR 25 2003				ATTY. DOCKET NO.		SERIAL NO.	
Based on Form PTO-1449 (3/90)				670001-2002.6		09/872,505	
TECH CENTER 1600/2900 LIST OF REFERENCES CITED BY APPLICANT (Use several sheets if necessary)				APPLICANT		ANDERSEN ET AL.	
				FILING DATE		GROUP	
				June 1, 2001		1645	
U.S. PATENT DOCUMENTS							
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	AA						
FOREIGN PATENT DOCUMENTS							
		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION
	AB						
OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)							
AC	Andersen, P. et al., June 1991, Proteins released from Mycobacterium Tuberculosis during growth, Infect. Immun. 59(6): 1905-1910						
AD	Baldwin, S.L. et al., June 1998, Evaluation of new vaccines in the mouse and guinea pig model of tuberculosis, Infect. Immun. 66(6):2951-2959						
AE	Boesen, H. et al., April 1995, Human T-cell responses to secreted antigen fractions of Mycobacterium tuberculosis, Infect. Immun. 63(4): 1491-1497						
AF	Brandt et al., 1996, Key epitopes on the ESAT-6 antigen recognized in mice during the recall of protective immunity to Mycobacterium tuberculosis, J. Immunol. 157:3527-3533						
AG	Brandt L. et al., February 2000, ESAT-6 subunit vaccination against Mycobacterium tuberculosis, Infect. Immun. 68:791-795						
AH	Cole, S.T. et al., June 1998, Deciphering the biology of Mycobacterium tuberculosis from the complete genome sequence, Nature 393:537-544						
AI	Horwitz et al., February 1995, Protective immunity against tuberculosis induced by vaccination with major extracellular proteins of Mycobacterium tuberculosis, Proc. Natl. Acad. Sci. USA.92:1530-1534						
AJ	Olsen A.W. et al., June 2000, Efficient protection against Mycobacterium tuberculosis by vaccination with a single subdominant epitope from the ESAT-6 antigen, Eur J. Immunol. 30(6):1724-1732						
AK	Ravn, P. et al., March 1999, Human T Cell responses to ESAT-6 antigen from Mycobacterium tuberculosis, J. Infect. Dis. 179:637-645						
AL	Roche, P.W. et al. December 1994, T-cell determinants and antibody binding sites on the major mycobacterial secretory protein MPB59 of Mycobacterium bovis, Infect. Immun.62(12):5319-5326						
AM	Rosenkrands, I., et al., Identification and characterization of a 29-kilodalton protein from Mycobacterium tuberculosis culture filtrate recognized by mouse memory effector cells, Infect. Immun 66(6); 2728-2735						
AN	Skjøt, R.L.V., et al., January 2000, Comparative evaluation of low-molecular-mass proteins from Mycobacterium tuberculosis identifies members of the ESAT-6 family as immunodominant T-cell antigens, Infect. Immun. 68(1):214-220						
EXAMINER				DATE CONSIDERED			
* EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.							

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Sheet 2 of 2

Based on Form PTO-1449 (3/90)			ATTY. DOCKET NO.	SERIAL NO.			
			670001-2002.6	09/872,505			
LIST OF REFERENCES CITED BY APPLICANT (Use several sheets if necessary)			APPLICANT ANDERSEN ET AL.				
			FILING DATE June 1, 2001	GROUP 1645			
U.S. PATENT DOCUMENTS							
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		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION
	AC						
	AD						
OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)							
	AE	Stryhn, A., et al., 1996, Peptide binding specificity of major histocompatibility complex class I resolved into an array of apparently independent subspecificities: quantitation by peptide libraries and improved prediction of binding, Eur. J. Immunol. 26:1911-1918					
	AF	Ulrichs, T. et al., 1998, Differential T cell responses to Mycobacterium tuberculosis ESAT6 in tuberculosis patients and healthy donors, Eur. J. Immunol. 28:3949-3958					
	AG	P. Andersen et al., Identification of Immunodominant antigens during infection with mycobacterium tuberculosis, J. Immunol. 36, 823-831, 1992					
	AH	Peter Andersen et al., Proteins released from mycobacterium tuberculosis during growth, Infection and Immunity, June 1991, vol. 59, no. 6, p. 1905-1910					
	AI	Peter Andersen et al., Specificity of a protective memory immune response against mycobacterium tuberculosis, Infection and Immunity, March 1993, vol. 61, no. 3, p. 844-851					
	AJ	Peter Andersen et al., T-cell proliferative response to antigens secreted by mycobacterium tuberculosis, Infection and Immunity, April 1991, vol. 59, no. 4, p. 1558-1563					
	AK	Kris Huygen et al., Spleen cell cytokine secretion in mycobacterium bovis BCG-infected mice, infection and immunity, July 1992, vol. 60, no. 7, p. 2880-2886					
	AL	Christiane Abou-Zeid et al., Characterization of fibronectin-binding antigens released by mycobacterium tuberculosis and mycobacterium bovis BCG, Infection and Immunity, Dec. 1988, vol. 56, no. 12, p. 3046-3051					
	AM	Martine Borremans et al., Cloning sequence determination, and expression of a 32-kilodalton-protein gene of mycobacterium tuberculosis, Infection and Immunity, Oct. 1989, vol. 57, no. 10, p. 3123-3130					
	AN	Peter Andersen, Effective vaccination of mice against mycobacterium tuberculosis infection with a soluble mixture of secreted mycobacterial proteins, Infection and Immunity, June 1994, vol. 62, no. 6					
	AO	Nagai et al., Isolation and partial characterization of major protein antigens in the culture fluid of mycobacterium tuberculosis, Infection and Immunity, January 1991, vol. 59, no. 1, p. 372-382					
	AP						
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